Kindergarten Math

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| Strand | Key Math Topics | Major Changes from 2003 SCS | Resources that will be needed | Resources you have | Essential Vocabulary | Other Notes |
|  |  |  |  |  |  |  |
| Counting Cardinality (CC) |  |  |  |  |  |  |
| Operations and Algebraic Thinking  (OA) |  |  |  |  |  |  |
| Number Base Ten (NBT) |  |  |  |  |  |  |
| Measurement and Data  (MD) |  |  |  |  |  |  |
| Geometry  (G) |  |  |  |  |  |  |

First Grade Math

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| Strand | Key Math Topics | Major Changes from 2003 SCS | Resources will be needed | Resources you have | Essential Vocabulary | Other Notes |
| Example |  |  |  |  |  |  |
| Operations and Algebraic Thinking  (OA) |  |  |  |  |  |  |
| Numbers and Operations in Base Ten  (NBT) |  |  |  |  |  |  |
| Measurement and Data  (MD) |  |  |  |  |  |  |
| Geometry  (G) |  |  |  |  |  |  |

Second Grade Math

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| Strand | Key Math Topics | Major Changes from 2003 SCS | Resources will be needed | Resources you have | Essential Vocabulary | Other Notes |
| Example |  |  |  |  |  |  |
| Operations and Algebraic Thinking  (OA) |  |  |  |  |  |  |
| Number and Operations in Base Ten  (NBT) |  |  |  |  |  |  |
| Measurement and Data  (MD) |  |  |  |  |  |  |
| Geometry  (G) |  |  |  |  |  |  |

Third Grade Math

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| Strand | Key Math Topics | Major Changes from 2003 SCS | Resources will be needed | Resources you have | Essential Vocabulary | Other Notes |
| Example |  |  |  |  |  |  |
| Operations and Algebraic Thinking  (OA) |  |  |  |  |  |  |
| Number and Operations in Base Ten  (NBT) |  |  |  |  |  |  |
| Number and Operations- Fractions  (NF) |  |  |  |  |  |  |
| Measurement and Data  (MD) |  |  |  |  |  |  |
| Geometry  (G) |  |  |  |  |  |  |

Fourth Grade Math

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| Strand | Key Math Topics | Major Changes from 2003 SCS | Resources will be needed | Resources you have | Essential Vocabulary | Other Notes |
| Example |  |  |  |  |  |  |
| Operations and Algebraic Thinking  (OA) |  |  |  |  |  |  |
| Number and Operations in Base Ten  (NBT) |  |  |  |  |  |  |
| Number and Operations- Fractions  (NF) |  |  |  |  |  |  |
| Measurement and Data  (MD) |  |  |  |  |  |  |
| Geometry  (G) |  |  |  |  |  |  |

Fifth Grade Math

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| Strand | Key Math Topics | Major Changes from 2003 SCS | Resources will be needed | Resources you have | Essential Vocabulary | Other Notes |
| Example |  |  |  |  |  |  |
| Operations and Algebraic Thinking  (OA) |  |  |  |  |  |  |
| Number and Operations in Base Ten  (NBT) | Value of place (10 or 1/10)  Multiplying a number by a power of 10  Decimals to the thousandths  Rounding decimals to any place  Multiply multi-digit numbers by whole numbers  Divide up to four digit by two digit using models | Addition: Patterns with zeros when Multiplying | Models for place Value (place value blocks & mats) |  | Place Value  Decimal  Decimal Point  Patterns  Multiply  Divide  Tenths  Thousandths  Greater Than >  Less Than <  Equal To =  Compare/Comparison  Round |  |
| Number and Operations- Fractions  (NF) |  | Addition: Multiplying and Dividing Fractions |  |  |  |  |
| Measurement and Data  (MD) |  | Addition: Conversion of Measurement in the same system (not between systems anymore)  Volume  Line Plot  Deleted:  Not measuring angles, diagonals, stem-and-leaf plots |  |  |  |  |
| Geometry  (G) |  | Addition: Coordinate System  Two-Dimensional Figures  Deleted/Moved: Symmetry |  |  |  |  |

Sixth Grade Math

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| Strand | Key Math Topics | Major Changes from 2003 SCS | Resources will be needed | Resources you have | Essential Vocabulary | Other Notes |
| Example |  |  |  |  |  |  |
| Ratios and Proportional Relationships  (RP) |  |  |  |  |  |  |
| The Number System  (NS) |  |  |  |  |  |  |
| Expressions and Equations  (EE) |  |  |  |  |  |  |
| Geometry  (G) |  |  |  |  |  |  |
| Statistics and Probability  (SP) |  |  |  |  |  |  |

Seventh Grade Math

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| Strand | Key Math Topics | Major Changes from 2003 SCS | Resources will be needed | Resources you have | Essential Vocabulary | Other Notes |
| Example |  |  |  |  |  |  |
| Ratios and Proportional Relationships  (RP) |  |  |  |  |  |  |
| The Number System  (NS) | Add, subtract, multiply, and divide rational numbers. | Major focus on real-world examples  Use number line diagrams  Additive Inverse  Addition/subtraction as distance between values | Number Line Diagrams  Models for Integers |  | Rational Number  Inverse  Negative  Positive  Operations |  |
| Expressions and Equations  (EE) |  |  |  |  |  |  |
| Geometry  (G) |  |  |  |  |  |  |
| Statistics and Probability  (SP) |  |  |  |  |  |  |

Eighth Grade Math

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| Strand (Number & Operations, Geometry, etc.) | Key Math Topics | Major Changes from 2003 SCS | Resources will be needed | Resources you have | Essential Vocabulary | Other Notes |
| Example |  |  |  |  |  |  |
| The Number System (NS) |  |  |  |  |  |  |
| Expressions and Equations  (EE) |  |  |  |  |  |  |
| Functions (F) |  |  |  |  |  |  |
| Geometry  (G) |  |  |  |  |  |  |
| Statistics and Probability  (SP) |  |  |  |  |  |  |

Algebra I (Math One Standards)

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| Major Changes | Significant Challenges |
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Geometry

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| Major Changes | Significant Challenges |
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Algebra II

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| Major Changes | Significant Challenges |
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